

Title (en)
OPENING DEVICE, SCREW CAP FOR USE IN SUCH AN OPENING DEVICE AND METHOD OF FORMING SUCH AN OPENING DEVICE

Title (de)
ÖFFNUNGSVORRICHTUNG, SCHRAUBKAPPE ZUR VERWENDUNG FÜR EINE DERARTIGE ÖFFNUNGSVORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINER DERARTIGEN ÖFFNUNGSVORRICHTUNG

Title (fr)
DISPOSITIF D'OUVERTURE, BOUCHON À VIS DESTINÉ À ÊTRE UTILISÉ DANS UN TEL DISPOSITIF D'OUVERTURE ET PROCÉDÉ DE FORMATION D'UN TEL DISPOSITIF D'OUVERTURE

Publication
EP 2038182 A4 20110518 (EN)

Application
EP 07748293 A 20070628

Priority
• SE 2007000633 W 20070628
• SE 0601429 A 20060630

Abstract (en)
[origin: WO2008002249A1] An opening device for a packaging container (74), a screw cap for use in such an opening device and a method of forming such an opening device are provided. The opening device comprises a neck portion (76) and a screw cap (10, 34). The opening device comprises a wall (20, 40) of the first part of the screw cap having a weakening (22, 42) extending in a circumferential direction (C) of the first part and a recess (26, 46) extending in a longitudinal centre axis direction (L) of the first part. The recess is arranged to receive a projection (78) of the neck portion, which projection is directly injection-moulded in the recess. A tamper flap (28, 48) of the first part, which tamper flap is defined by the weakening and the recess, is automatically deformable in connection with a first time opening of the packaging container by cap rotation.

IPC 8 full level
B65D 41/34 (2006.01); **B29C 45/14** (2006.01); **B29C 45/56** (2006.01); **B65D 5/74** (2006.01); **B65D 55/02** (2006.01)

CPC (source: EP SE US)
B29C 45/14 (2013.01 - SE); **B29C 45/14598** (2013.01 - EP US); **B29C 45/561** (2013.01 - SE); **B65D 1/023** (2013.01 - EP US); **B65D 5/746** (2013.01 - SE); **B65D 15/08** (2013.01 - SE); **B65D 41/34** (2013.01 - EP SE US); **B65D 55/022** (2013.01 - EP US); **B65D 55/024** (2013.01 - SE); **B29C 45/14467** (2013.01 - EP US); **B29C 45/561** (2013.01 - EP US); **B29L 2031/565** (2013.01 - EP US); **B29L 2031/7158** (2013.01 - EP US); **B65D 2401/00** (2020.05 - SE)

Citation (search report)
• [A] WO 9708071 A1 19970306 - GV ENG PTY LTD [AU], et al
• [A] GB 1043970 A 19660928 - HENRI POPKO VAN GRONINGEN
• See references of WO 2008002249A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2008002249 A1 20080103; BR PI0713021 A2 20120403; CN 101495379 A 20090729; EP 2038182 A1 20090325; EP 2038182 A4 20110518; EP 2038182 B1 20121031; ES 2397409 T3 20130306; JP 2009541158 A 20091126; JP 4967017 B2 20120704; MX 2008015249 A 20081217; SE 0601429 L 20071231; SE 530031 C2 20080212; TW 200819358 A 20080501; US 2009308833 A1 20091217; US 8256632 B2 20120904

DOCDB simple family (application)
SE 2007000633 W 20070628; BR PI0713021 A 20070628; CN 200780024791 A 20070628; EP 07748293 A 20070628; EP 07748293 T 20070628; JP 2009516447 A 20070628; MX 2008015249 A 20070628; SE 0601429 A 20060630; TW 96123862 A 20070629; US 30709207 A 20070628